

IN THE CLAIMS:

Please amend the claims as follows:

1. to 24. (Cancelled)

25. (New) A method of distinguishing different-sequence polynucleotides electrophoretically in a non-sieving medium, comprising

forming one or more different-sequence polynucleotide(s), each different-sequence polynucleotide containing (i) a detectable reporter label and (ii) an attached polymer chain which imparts to each different-sequence polynucleotide, a distinctive electrophoretic mobility in a non-sieving matrix,

fractionating said polynucleotide(s) by capillary electrophoresis in a non-sieving matrix, and

detecting the fractionated polynucleotide(s).